PETITION

TO

TAU BETA PI

FROM

TAU BETA GAMMA

PETITION

TO

TAU BETA PI

FROM

TAU BETA GAMMA

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History of Tau Beta Gamma at Kansas State University

Tau Beta Gamma was formed as a result of an organizational meeting held on September 28, 1970. It was formed and operated along the same lines as Tau Beta Pi in order that a local chapter of that organization could be formed. Although a chapter of Sigma Tau has existed for a number of years at Kansas State, several engineering students at this time were dissatisfied with the traditional type of honor society. Therefore, Tau Beta Gamma was formed to serve more as a service organization. The members also hoped that it would become part of a larger national organization at a later date.

Dr. Frank A. Tillman was instrumental in the formation of Tau Beta Gamma, and he still serves as the advisor. One of the original projects of the society was to work with the Boy Scouts of American and their engineering merit badge program. The formation of an advisory council composed of engineering faculty and non-faculty practicing engineers is also being considered.

Department of Industrial Engineering Engineering Shops Building Manhattan, Kansas 66506 Phone: 913 532-5606

December 15, 1972

Executive Council Tau Beta Pi Association University of Tennessee Knoxville, Tennessee

Gentlemen:

Enclosed is the petition of Tau Beta Gamma, the engineering honorary society of Kansas State University, to establish a local chapter of Tau Beta Pi. It is my pleasure to convey this petition to you for your consideration.

From its beginning Tau Beta Gamma has followed the standards set by Tau Beta Pi for the election of members and its operation. The performance of the alumni of the society and the university in industry and graduate school attests to the quality of their education. The association of Tau Beta Pi would offer the students national recognition for their achievement.

It is my feeling that the students at Kansas State University are deserving of the distinction of election to Tau Beta Pi, and I whole-heartedly support this petition.

Sincerely,

Frank A. Tillman, Ph.D.

Faculty Advisor

Tau Beta Gamma



President's Office Anderson Hall Manhattan, Kansas 66506

February 26, 1973

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37900

Gentlemen:

I am pleased to support the petition of the local chapter of Tau Beta Gamma, an engineering honor society at Kansas State University, to become a chapter of Tau Beta Pi. I sincerely hope that you will give this petition favorable consideration.

I'm continually impressed by the high level of professional and intellectual achievements of faculty, students and graduates of the K-State College of Engineering. Our Engineering student body, year after year, has displayed a remarkable espirit de corps. This has been reflected in the annual Engineers Open House which attracts some five or six thousand Kansans who are afforded an opportunity to observe at first hand achievements of the engineering profession. It is reflected as well in many student enterprises designed to develop and increase support for the College of Engineering.

Should Tau Beta Pi act favorably on this petition, I'm sure that this recognition would do much to stimulate continued progress on the part of our College of Engineering.

Sincerely yours,

James A. McCain

President

KANSAS STATE UNIVERSITY

Office of the Dean College of Engineering Seaton Hall Manhattan, Kansas 66506 Phone: 913 532-5590

February 26, 1973

Executive Council Tau Beta Pi Association University of Tennessee Knoxville TN 37900

Gentlemen:

I wish to take this opportunity to support the petition of our local Engineering Honor Society, Tau Beta Gamma, to become a chapter of Tau Beta Pi, and hope your group will give favorable consideration to their request. This action is the result of several years of discussion and preparation by students, faculty and alumni. It has been our desire for several years to achieve this recognition for our students whom we believe to be some of the top engineering students in the United States, and for our graduates who have achieved recognition in many fields throughout the world.

If the petition is granted, I can assure you, I will do everything to assist the chapter in any way I can and to encourage students and faculty to support the program. As indicated above, I feel Kansas State University engineering students deserve to have access to membership in this fine organization.

Sincerely yours,

Ralph G. Nevins

Dean of Engineering

RGN/jlg

THE TAU BETA PI ASSOCIATION INCORPORATED

FOUNDED 1885 INCORPORATED 1947

NATIONAL ENGINEERING HONOR SOCIETY
MEMBER OF ASSOCIATION OF COLLEGE HONOR SOCIETIES

KANSAS BETA CHAPTER WICHITA STATE UNIVERSITY WICHITA, KANSAS 67208

March 22, 1973

Mr. John H. Meiners President, Tau Beta Gamma Kansas State University Manhattan, Kansas 66506

Dear Mr. Meiners:

The inspection team from Kansas Beta, Wichita State University wishes to convey our sincere thanks for a most interesting and informative day at Kansas State University.

Your university is without question worthy of a Tau Beta Pi chanter. I believe there does exist among the faculty and the student engineering body the initiative to develop a fine Tau Beta Pi chapter.

The inspection tour of your facilities, the person to person contact with your Tau Beta Gamma members and supporting faculty, and the following question and answer period, all contributed to our enthusiastic support of your petition for a Tau Beta Pi chapter at Kansas State.

Speaking for Kansas Beta congratulations on the unanimous recommendation of the inspection committee. Good luck at the 1973 Convention and the very best wishes for the future from the Kansas Beta chapter.

11 . 1 11

Dennis D. Hoover President, Kansas Beta

THE TAU BETA PI ASSOCIATION

FOUNDED 1885 TAS INCORPORATED 1947

NATIONAL ENGINEERING HONOR SOCIETY

MEMBER OF ASSOCIATION OF COLLEGE HONOR SOCIETIES

KANSAS ALPHA CHAPTER THE UNIVERSITY OF KANSAS LAWRENCE, KANSAS 66044

March 26, 1973

Mr. John H. Meiners
President, Tau Beta Gamma
c/o Dr. F. A. Tillman
Dept. of Industrial Engineering
Kansas State University
Manhattan, Kansas 66506

Dear John,

As representatives of Kansas Alpha on the inspection tour of your campus, we gladly express our enthusiastic support of Tau Beta Gamma's petition to establish a chapter of Tau Beta Pi at Kansas State University. We believe that you have many very fine engineering programs at K-State and a competent faculty to complement them. The close student-faculty relationship at your school is highly commendable and the interest shown by both groups will no doubt be a real asset in the continued successful operation of your chapter.

We strongly encourage the 1973 Convention to approve Tau Beta Gamma's petition and wish you the best of luck in Florida this fall.

Sincerely,

Rlavill & Halter

David W. Walter

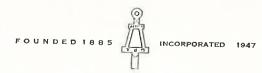
President, Kansas Alpha

Prof. George W. Forman Advisor, Kansas Alpha

David M. Suptic

Member, Kansas Alpha

THE TAU BETA PI ASSOCIATION INCORPORATED



NATIONAL ENGINEERING HONOR SOCIETY

MEMBER OF ASSOCIATION OF COLLEGE HONOR SOCIETIES

MISSOURI ALPHA CHAPTER
UNIVERSITY OF MISSOURI, COLUMBIA
COLUMBIA, MISSOURI 65201

March 24, 1970

Mr. Randy Ellis 1224 Fremont Manhattan, Kansas 66502

Dear Mr. Ellis:

Through the Office of the Dean of Engineering here at the University of Missouri-Columbia, I have learned that the engineering students at Kansas State are interested in setting up a Tau Beta Pi Chapter there. As President of the Mo. Alpha Chapter I proposed, to our active membership, that we support KSU in your effort to establish a Chapter. The proposal was unanimously approved and the members seemed very anxious to offer any assistance they can.

If you are sincere in your desire for a Chapter please write me at the address below and let me know to what extent you are informed of the proceedure for petitioning for a charter. I think this would be better than my trying to guess what you know and what you don't know and trying to fill in the voids. Immediately upon hearing from you I will get to work and find out all I can for you. One thing you might want to know now is that the petition should be in the hands of the National Executive Council by January 1, 1971 if action is to be taken on it at the national convention in the fall of 1971. Therefore, we should get to work as soon as possible.

If in some instances you have a question which you can't wait for correspondence on, you might ask those members of the faculty there who are members of Tau Beta Pi to help. I'm sure they will be more than willing to assist you in any way they can.

Again, we at Mo. A are very anxious to assist in establishing a Tau Beta Pi Chapter at Kansas State, and we look forward to hearing from you.

Sincerely yours,

Ted M. Brandt

President, Missouri Alpha

7 East Alhambra Drive Columbia, Missouri 65201

cc: Dean William R. Kimel Dean Ralph G. Nevins

File

December 4, 1972

Executive Council Tau Beta Pi Association University of Tennessee Knoxville, Tennessee

Gentlemen:

As President of Tau Beta Gamma, the engineering honor society at Kansas State University, I formally petition the Tau Beta Pi Association for the establishment of a chapter at the Kansas State University College of Engineering.

If the petition is favorably accepted, and a chapter is instituted at Kansas State, we, the petitioning group, plodge to abide by the Constitution and By-laws of the Association as the legislative authority and the Executive Council as the executive and judicial authority. We further pledge to uphold and maintain the high standards of Tau Beta Fi.

Very truly yours,

John H. Meiners

President, Tau Beta Gamma

KANSAS STATE UNIVERSITY Manhattan, Kansas 66502

DEPARTMENT OF MECHANICAL ENGINEERING SEATON HALL.

December 13, 1972

Executive Council Tau Beta Pi Association University of Tennessee Knoxville, Tennessee

Dear Sirs:

I understand that our local engineering honorary, Tau Beta Gamma, wishes to become affiliated with Tau Beta Pi.

Being a member of Tau Beta Pi and having been a faculty member here at Kansas State University since 1960, I wish to recommend that you approve the petition.

Sincerely,

I. C. Appl
F. C. Appl

Professor

wsp

KANSAS STATE UNIVERSITY

Department of Civil Engineering Seaton Hall Manhattan, Kansas 66506 Phone: 913 532-5862

December 13, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37900

Gentlemen:

The Engineering Honor Society, Tau Beta Gamma, here at Kansas State University has expressed the desire to affiliate with Tau Beta Pi.

I believe that having these bright, young, technical leaders as active members of Tau Beta Pi would not only stimulate their personal professional growth but would also enhance the growth and prestige of the organization.

As a faculty member at Kansas State University, and a member of Tau Beta Pi, I wish to recommend and strongly support this affiliation.

Fraternally,

Robert R. Snell, Head

Department of Civil Engineering

RRS:pjb

DEPARTMENT OF NUCLEAR ENGINEERING SEATON HALL

December 15, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville TN 37900

Gentlemen:

The Tau Beta Gamma Society at Kansas State University has expressed the desire to affiliate with your organization.

I believe that the affiliation with Tau Beta Pi would not only stimulate the personal professional growth of the members, but would also enhance the growth and prestige of the organization.

As a faculty member at Kansas State University and a member of Tau Beta Pi, I am writing to express my recommendation and strong support for this affiliation.

Fraternally,

Richard E. Faw Member, Beta of Ohio

REF/jlg

bcc: John Kramer, Industrial Engineering

KANSAS STATE UNIVERSITY Manhattan, Kansas 66502

DEPARTMENT OF MECHANICAL ENGINEERING SEATON HALL

December 15, 1972

Executive Council Tau Beta Pi Association University of Tennessee Knoxville, Tennessee

Dear Sirs:

I am writing to offer full support for the petition of Tau Beta Gamma, local engineering honorary, for affiliation with Tau Beta Pi.

I feel all standards of Tau Beta Pi are in evidence at Kansas State University and, as a Tau Beta Pi member, I strongly support the petition for foundation of a Tau Beta Pi chapter here.

Sincerely

Robert L. Gorton

Associate Professor

wsp

Department of Industrial Engineering Engineering Shops Building Manhattan, Kansas 66506 Phone: 913 532-5606

December 18, 1972

Executive Council Tau Beta Pi Association University of Tennessee Knoxville, Tennessee 37900

Gentlemen:

As a faculty member at Kansas State University and a member of Tau Beta Pi, I am writing to express my support of Tau Beta Gamma's petition for national affiliation.

Sincerely,

Kenneth 9. Electing Kenneth A. Ebeling

North Dakota - Alpha

KAE:mj

Kansas State University

Manhattan, Kansas 66502

Engineering Experiment Station
Seaton Hall

December 13, 1972

Executive Council Tau Beta Pi Association University of Tennessee Knoxville, Tennessee 37900

Dear Sir:

As a member of Tau Beta Pi at Northwestern University as an undergraduate student, and having been without association with the organization since I came to Kansas State, I am extremely pleased to assist in encouraging Tau Beta Gamma to start here at Kansas State and do fully support their application for association with national Tau Beta Pi.

I am certain that the group of young men here at Kansas State and the other Tau Beta Pi members who are currently on the faculty, have done an excellent job in organizing the colony and I trust there will be no problems in their acceptance by national.

Cordially,

Dwight A. Nesmith, Director Engineering Experiment Station

DAN/mm

KANSAS STATE UNIVERSITY

Department of Agricultural Engineering Seaton Hall Manhattan, Kansas 66506 Phone: 913 532-5580

December 11, 1972

Dr. Frank Tillman, Head Department of Industrial Engineering Engineering Shops UNIVERSITY

Dear Frank:

I believe it is highly appropriate that there ultimately be an active chapter of Tau Beta Pi in the College of Engineering at Kansas State University. The presence of a chapter would contribute much to the College as would our students to Tau Beta Pi.

As a faculty member at Kansas State, and a member of Tau Beta Pi, I am writing to express my recommendation and strong support for this affiliation.

Sincerely,

William H. Johnson
Professor and Head

csg

Department of Industrial Engineering Engineering Shops Building Manhattan, Kansas 66506 Phone: 913 532-5606

December 12, 1972

Executive Council Tau Beta Pi Association University of Tennessee Knoxville, Tennessee 37916

Gentlemen:

Tau Beta Gamma, a local engineering honor society here at Kansas State University, has expressed their desire to affiliate with Tau Beta Pi.

I believe that the high quality of these students would benefit the national association and that the proposed affiliation would simulate these students to a new level of personal growth.

As a faculty member of Kansas State University and a member of Tau Beta Pi, I am writing to express my recommendation and strong support for this affiliation.

Sincerely,

L. E. Grosh

Member Louisiana Alpha

LEG:jer

December 11, 1972

Executive Council Tau Beta Pi Association University of Tennessee Knexville, Tennessee

Dear Sirs:

I was very pleased when I learned that an attempt was being made to establish a chapter of Tau Beta Pi at Kansas State University. I have followed the efforts of the members and I am very impressed by their growth rate. I think an organization such as Tau Beta Pi will greatly strengthen our academic program at Kansas State and will provide students who achieve membership a lasting reward.

I understand that the local colony is now in the process of submitting a petition for a local chapter and I wish to give my recommendation in support of this action.

Thigh & Walker

Hugh S. Walker

Associate Professor

Member, Louisiana Alpha

RECEIVED
MOV 1 1972
Tau Deta ri

Hallmark Cards

HALLMARK CARDS INCORPORATED KANSAS CITY, MISSOURI 6/1/44

October 30, 1972

The Executive Council The Tau Beta Pi Association University of Tennessee Knoxville, Tennessee 37916

A letter has been forwarded to our office indicating that Kansas State University is in the process of submitting a petition to establish a Tau Beta Pi Chapter at Kansas State University.

For your information, Hallmark Cards, Inc. actively recruits on the Kansas State Campus and are aware of the fine engineering programs at K-State. We concur that a Tau Beta Pi Chapter would add prestige to the University and also help attract competent high school graduates interested in the engineering field.

Sincerely,

clayer fewer

Wayne Reeves College Relations

WR:dx

TENNESSEE VALLEY AUTHORITY

KNOXVILLE, TENNESSEE 37902

November 17, 1972

The Executive Council
The Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37916

Dear Sirs:

This letter is written in response to a request by engineering students at Kansas State University for support of an effort to establish a Tau Beta Pi Chapter at the university.

The Tennessee Valley Authority has solicited engineering applicants from Kansas State University and its predecessor, Kansas State College of Agriculture and Applied Science, for over thirty years. For the past ten years TVA has actively interviewed and recruited engineering graduates on campus at Kansas State. Although geographical distance has somewhat limited the success of our recruiting efforts, we have hired several bright young men for positions in our engineering divisions. Supervisors report that these men are well prepared in the basic engineering disciplines and adapt well to the challenges of professional engineering assignments.

From firsthand knowledge of the capabilities of these graduates, we conclude that the engineering programs at Kansas State University are equal in quality to similar programs offered at other major universities at which we recruit.

Sincerely,

Gerald Shilling, Head Employment Services Section

Division of Personnel



WICHITA DIVISION WHITE A WARRAS 67210

October 10, 1972

The Executive Council
The Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37916

Gentlemen:

The Boeing Company has enjoyed the quality product of graduating engineering students from Kansas State University on all degree levels. Our experiences with their graduates have given us some of our leaders of today. Our recruiting visit this fall could produce some of our leaders of tomorrow.

A rewarding college-industry relationship has been established among faculty members and students through plant towns and technical presentations made on the campus. We believe that it is certainly the intent of the College of Engineering to keep informed of all new developments and technologies, related both to industry and the education profession, in order to provide their students with the latest tools to build their profession.

The Boeing Company is pleased to offer this letter as support to the honorary engineering society, Tau Beta Gamma, in their effort to establish a Tau Beta Pi Chapter at Kansas State University.

Sincerely,

THE BOEING COMPANY Wichita Division

eorge Trombold - Director of

GT:mm

GENERAL MOTORS CORPORATION November 3, 1972

The Executive Council
The Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37916

Dear Sirs

It is my understanding that Kansas State University has petitioned for a Tau Beta Pi Chapter. I wish to express my support in granting this request.

I personally have visited Kansas State University twice a year in a recruiting capacity for over 14 years. General Motors looks upon Kansas State University as one of its major sources of engineering talent at the bachelor, master and PhD levels.

A number of former graduates of this University are presently in key positions in General Motors and I am sure that much of it can be contributed to the fine engineering program offered at the University.

Personally I hope that the Tau Beta Pi Chapter will give very serious consideration in granting Kansas State University a chapter in the very near future.

Very truly yours

R. V. Grav

Placement and College Relations

sw

KANSAS STATE UNIVERSITY Manhattan, Kansas 66502

COLLEGE OF ENGINEERING SEATON HALL

December 19, 1972

TO WHOM IT MAY CONCERN:

This is to certify that the following named students, regularly enrolled as full-time day students in the College of Engineering, Kansas State University, meet the membership requirements set forth in the "Constitution and Bylaws and Eligibility Code of the Tau Beta Pi Association," Article VIII, Section 2, Sub-sections (f) and (h). This is in terms of meeting the requirement of being in the upper eighth (juniors) or upper fifth (seniors) of their respective classes, and as compared with students within the same department.

John H. Meiners

Bill Flanders

Kim Myers

Carl Wilkens

Dale Zellers

Alan Johnson

Steve Brooks

Wayne Unruh

Janet Hull

Thomas Trent

Richard Kussman

Ray Dilts

Everett Ramer

John Schlup

Edward Juno

John Wilson

Don Glaser

Terry Weaver

John Kramer

Bradley Maurer

Eric Schoeff

Darrell Sabatka

Sincerely,

Robert E. Crank

Assistant to the Dean

REC:mrr

Department of Agricultural Engineering Seaton Hall Manhattan, Kansas 66506 Phone: 913 532-5580

19 December 1972

TO WHOM IT MAY CONCERN:

This is to certify that Mr. Dean E. Eisenhauer, presently enrolled in the Graduate School in quest of a Master of Science Degree in Agricultural Engineering at Kansas State University meets the membership requirements as set forth in The Constitution and Bylaws and Eligibility Code of Tau Beta Pi as specified by Article VIII, Section 3(C).

Mr. Eisenhauer has maintained a 4.00 gradepoint average during his graduate program work. In addition, he was recently elected to membership in the PHI KAPPA PHI Scholastic Honorary Organization. This honor required that his gradepoint average be among the top 5% of all graduate students.

Sincerely,

G. E. Fairbanks Professor

ks

DEGREES HELD BY DEAN EISENHAUER

DEGREE	INSTITUTION	YEAR
Associate of Arts	Fairbury Junior College Fairbury, Nebraska	1969
Bachelor of Science in Agricultural Engineering	Kansas State University Manhattan, Kansas	1971

ALUMNI MEMBERS OF TAU BETA GAMMA KANSAS STATE UNIVERSITY

Kenneth Bosse

Wheaton, Ks.

Duane Downtain

1311 Hattie, Garden City, Ks.

Michael Gard

702 Maplewood Dr., El Dorado, Ks.

Arun Kumar Gupta

Dept. of Physics, Univ., Jodhpur Raj, India

Ronald Holmes

4621 West Dr., Topeka, Ks.

Dennis Heurter

510 Calhoun, Marysville, Ks.

Curtis Jilg

105 Hillside, El Dorado, Ks.

Mark Keast

R.R. 1, Howard, Ks.

Dave Kolarik

R.R. 3, Caldwell, Ks.

James Leach

116 N. 3rd, Osborne, Ks.

Larry Marten

Wheaton, Ks.

Steve Mattix

200 W. 3rd, Ellinwood, Ks.

Michael Pacey

Oak Hill, Ks.

Richard Ray

8516 W. 55 Terr.,

Shawnee Mission, Ks.

Larry Schroeder

Box 116, Vermillion, Ks.

John Swain

1821 So. Erie, Wichita, Ks.

ENTRANCE REQUIREMENTS

Residents of Kansas who are graduated from an accredited Kansas high school are admitted to Kansas State University. Out-of-state applicants are expected to have a strong academic rank in class and to have made good scores on the American College Test battery.

No academically qualified applicant will be denied admission to the University on the basis of race, color, sex, religion, or national origin.

Entering freshmen should have completed the high school mathematics courses which are necessary prerequisite for their curriculum.

All transfer students are expected to have at least a C average in previous academic work to be considered for admission to the University.

Freshmen applicants to KSU are required to take the ACT and have their test scores forwarded to the University.

THE COLLEGE OF ENGINEERING

A course of study leading to a degree in the College of Engineering provides a well-rounded university education designed to develop the general qualities of leadership and human understanding inherent to an educated person.

In addition it equips the student with a broad theoretical background to meet the new and demanding problems of our rapidly expanding technology. To assure the continued economic and technologic development of this nation, an increasing number of high school students should select careers in this challenging profession.

In the College of Engineering at KSU an outstanding faculty combines with excellent physical facilities to provide a stimulating environment in which to prepare for a professional career.

The College of Engineering offers the Bachelor of Science degree, fully accredited by E.C.P.D., in each of the following curriculums:

Agricultural Engineering Chemical Engineering Civil Engineering Electrical Engineering Industrial Engineering Mechanical Engineering Nuclear Engineering

LENGTH OF ENGINEERING CURRICULUM

Each of the engineering curriculums leading to a Bachelor of Science degree is a four year (eight semester) program. Each semester is a minimum of 15 weeks plus one week for final examinations. The engineering student must take an average of 17 credit hours a semester in order to complete the program in four years.

ENGINEERING DEGREES AWARDED

Engineering degrees awarded during the 1968-72 period are shown in the following table:

Curriculum	1968	1969	1970	<u>1971</u>	1972
Agricultural Engineering Civil Engineering Chemical Engineering Electrical Engineering Industrial Engineering Mechanical Engineering Nuclear Engineering	6 34 24 64 11 39 12	12 54 17 76 16 44 <u>13</u>	16 29 10 55 8 53 15	9 25 9 45 14 44 15	10 46 21 66 22 59 15
Total	190	212	186	161	239

UNDERGRADUATE ENROLLMENT (1972)

Undergraduate enrollment by class and by curriculum based on the Fall registration figures for 1972 are as follows:

Curriculum	Fres.	Soph.	Junior	Senior
Agricultural Engineering	12	16	15	17
Civil Engineering	22	34	39	52
Chemical Engineering	27	22	17	33
Electrical Engineering	41	57	57	93
Industrial Engineering	9	17	18	23
Mechanical Engineering	16	40	5 1	75
Nuclear Engineering	19	20	32	29
General Engineering	67	6	0	0

DEPARTMENT OF CHEMICAL ENGINEERING

Courses

Akins, Richard G. Associate Professor ChE Thermodynamics Lab Graduate Seminar

Honorary and Professional Societies:

American Institute of Chemical Engineers Sigma Tau Omicron Delta Kappa

Bates, Herbert T. Professor

ChE Lab II Engineering Materials Engineering Assembly

Honorary and Professional Societies:

American Institute of Chemical Engineers-Energy Conversion & Transport Division

American Society for Engineering Education-Chemical Engineering Division -- Kansas-Nebraska Section

American Chemical Society, Chairman, Nebraska Section, 1949
Registered Professional Engineer Kansas 3918
Sigma Xi
Sigma Tau
Phi Kappa Phi
Phi Lambda Upsilon
Manhattan Chamber of Commerce

Erickson, Larry E.
Professor

Process Analysis & Design

Honorary and Professional Societies:

Sigma Xi
Phi Kappa Phi
Phi Lambda Upsilon
Sigma Tau
American Institute of Chemical Engineers
Kansas Water Pollution Control Association
American Chemical Society
American Society for Microbiology
American Water Resources Association
The Society of Fermentation Technology (Japan)

New York Academy of Sciences American Society for Engineering Education Kansas Academy of Sciences

Honorary and Professional Societies:

American Chemical Society
American Institute of Chemical Engineers (Full)
American Society of Engineering Education
Society of Chemical Engineers (Japan)
Professional Engineer in Formosa
Sigma Xi
Phi Kappa Phi
Phi Lambda Upsilon
Society of Engineering Sciences (Founding Member)
Listed in American Men of Science
Listed in Leaders in American Science
American Association for the Advancement of Science
American Water Resources Association, 1970
Listed in Outstanding Educators of America

Hall, Raymond C. Assistant Professor

None

Honorary and Professional Societies:

American Institute of Chemical Engineers American Chemical Society Sigma Xi

Kyle, Benjamin G. Professor

ChE Thermodynamics Research Advanced ChE Thermodynamics

Honorary and Professional Societies:

American Chemical Society American Institute of Chemical Engineers American Society for Engineering Education Phi Kappa Phi Phi Lambda Upsilon Sigma Xi Matthews, John C.
Associate Professor

Advanced Transport Phenomena I Introduction to Process Analysis

Honorary and Professional Societies:

Sigma Xi American Institute of Chemical Engineers New York Academy of Sciences American Association for the Advancement of Science

Retzloff, David G. Assistant Professor

Process Analysis & Design Research Process Analysis & Design Quiz Process Analysis & Design Lab

Honorary and Professional Societies:

Sigma Tau Engineering Honor Omega Chi Epsilon Chemical Engineering Honor American Institute of Chemical Engineers American Chemical Society American Association for the Advancement of Science Sigma Xi

Walawender, Walter P. Assistant Professor Process Optimization Engineering Assembly Engineering Concepts Honor Seminar

Honorary and Professional Societies:

Associate Member of Sigma Xi American Association of University Professors American Institute of Chemical Engineers NAME: Earl Eugene Baugher

Assistant Professor of Agricultural Engineering RANK:

DEGREES: B.S. Kansas State University, 1958 M.S. Kansas State University, 1964

HONORARY AND PROFESSIONAL SOCIETIES:

Kansas Vocational Association Kansas Vocational Agriculture Teachers Association National Vocational Agriculture Teachers Association American Vocational Association American Association of Teacher Educators in Agriculture Gamma Sigma Delta Phi Kappa Phi

TEACHING LOAD:

Farm Power Agricultural Mechanic Methods

NAME: Do Sup Chung YEAR BORN: 1935

RANK: Assistant Professor of Agricultural Engineering

DEGREES: B. S. Purdue University, 1958

M. S. Kansas State University, 1960 Ph.D. Kansas State University, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

Signa Xi. Phi Lambda Upsilon

Alpha Mu

American Society of Agricultural Engineers American Institute of Chemical Engineers American Association of Cereal Chemists

American Men of Science

NAME: Stanley J. Clark

RANK: Associate Professor of Agricultural Engineering

DEGREES: B.S., Kansas State University, 1954

M.S., Kansas State Univeristy, 1959 Ph.D., Purdue University, 1964

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Agricultural Engineers American Society of Engineering Education

Kansas Engineering Society

National Society of Professional Engineers

International Society for Terrain - Vehicle Systems

Sigma Xi Sigma Tau

Gamma Sigma Delta

TEACHING LOAD:

Advanced Power and Machinery

NAME: Gustave Edmund Fairbanks

YEAR BORN: 1915

RANK: Professor of Agricultural Engineering

DEGREES: B. S. Kansas State University, 1941

M. S. Kensas State University, 1950

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Ki

Gamma Sigma Delta

Sigma Tau Phi Kappa Phi

TEACHING LOAD:

Design of Agricultural Machines Engineering in Agriculture NAME: Teddy Omar Hodges YEAR BORN: 1922

RANK: Professor of Agricultural Engineering

DEGREES: B.S., Texas Agricultural & Mechanical College, 1950

M.S., Iowa State University, 1957 Ph.D., Michigan State University, 1959

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Agricultural Engineers American Society for Engineering Education Kansas Engineering Society National Society of Professional Engineers Phi Kappa Phi

Sigma Xi Tau Beta Pi Alpha Zeta

Gamma Sigma Delta

Sigma Tau

Professional Engineer

TEACHING LOAD:

Agricultural Process Engineering Mechanized Feed Handling

NAME: William H. Johnson YEAR BORN: 1922

RANK: Professor and Head of Agricultural Engineering

DEGREES: B.S., Agriculture, Ohio State University, 1948

B.S., Agricultural Engineering, Ohio State Univ., 1948

M.S., Ohio State University, 1953 Ph.D., Michigan State University, 1960

HONORARY AND PROFESSIONAL SOCIETIES:

Alpha Epsilon - Agricultural Engineering Honorary
Phi Eta Sigma - Freshman Honorary
Tau Beta Pi - Engineering Honorary
Gamma Sigma Delta - Agricultural Honorary
Sigma Xi - Scientific Honorary
American Men of Science
American Society of Agricultural Engineers

American Society of Agricultural Engineers American Society for Engineering Education National Society of Professional Engineers

Kansas Engineering Society

TEACHING LOAD:

Graduate Seminar in Agricultural Engineering

NAME: George Herbert Larson YEAR BORN: 1915

RANK: Professor of Agricultural Engineering

DEGREES: B.S., Kansas State University, 1939

M.S., Kansas State University, 1940 Ph.D., Michigan State University, 1955

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau Phi Kappa Phi Sigma Xi Pi Mu Epsilon Sigma Pi Sigma Tau Beta Pi

Gamma Sigma Delta

American Society of Agricultural Engineers American Society of Engineering Education

Knasas Engineering Society

National Professional Engineering Society

Professional Engineer

American Association for the Advancement of Science

NAME: Ralph Iden Lipper YEAR BORN: 1916

RANK: Associate Professor of Agricultural Engineering

DEGREES: B.S., Kansas State University, 1941

M.S., Kansas State University, 1950

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi Sigma Xi Sigma Tau Steel Ring

Gamma Sigma Delta

American Society of Agricultural Engineers American Society for Engineering Education National Society of Professional Engineers

Kansas Engineering Society

Professional Engineer

TEACHING LOAD:

Fram Electrification and Soil Conservation Farmstead Utilities

NAME: Harry Leo Manges YEAR BORN: 1928

TITLE: Assistant Professor of Agricultural Engineering

DEGREES: B. S. Kansas State University, 1949
-M. S. Kansas State University, 1959

Ph.D. Oklahoma State University, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Agricultural Engineers

Professional Engineer Gamma Sigma Delta

TEACHING LOAD:

Irrigation Practice Soil and Water Engineering

NAME: Charles K. Spillman YEAR BORN: 1934

RANK: Assistant Professor of Agricultural Engineering

DEGREES:

B.S. University of Illinois, 1960 M.S. University of Illinois, 1963 Ph.D. Purdue University, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Theta Kappa
Tau Beta Pi
Alpha Epsilon
Sigma Xi
American Society of Agricultural Engineers
American Society of Heating, Refrigerating, and
Air Conditioning Engineering
American Society for Engineering Education
National Society of Professional Engineers
Kansas Engineering Society
Analog Hybrid Computer Educational Users Group

TEACHING LOAD:

Engineering Concepts
Environmental Analysis for Plants and Animals

Mahamed Tawfik Abdel-Moneim NAME:

TITLE: Instructor

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi

American Society for Engineering Education American Society of Mechanical Engineers

TEACHING LOAD:

Statics Fluid Mechanics

NAME:

Lee R. Calcote

YEAR BORN: 1923

RANK:

Professor

DEP: PMENT: Applied Mechanics

DEGREES:

3.S. Texas Agricultural and Mechanical University, 1948 M.Eng. Texas Agricultural and Mechanical University, 1952 Ph.D. University of Illinois, 1963

HONORARY AND PROFESSIONAL SOCIETIES:

American Society for Engineering Education Society for Experimental Stress Analysis

American Association for the Advancement of Science

Tau Beta Pi Phi Kappa Phi Sigma Xi

TEACHING LOAD:

Mechanics of Materials Lab (2 sections)

James F. Crary

YEAR BORN: 1913

TITLE:

Assistant Professor, Applied Mechanics

DEGREES:

B. S. Electrical Engineering, Kansas State University, 1947

HONORARY AND PROFESSIONAL SOCIETIES:

National Society of Professional Engineers American Institute of Electrical Engineers American Society for Engineering Education Kansas Engineering Society American Concrete Institute

TEACHING LOAD:

Dynamics

Mechanics of Materials Lab

NAME:

Everett E. Haft

YEAR BORN:

1923

TITLE:

Professor of Applied Mechanics

DEGREES:

B. S. University of Wisconsin, 1947 M. S. University of Wisconsin, 1951 Ph. D. University of Wisconsin, 1955

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi Phi Kappa Phi

American Society of Engineering Education

American Association for the Advancement of Science

TEACHING LOAD:

Strength of Materials

Dynamics

Research in Applied Mechanics

Kuo-Kuang Hu

YEAR BORN: 1936

RANK:

Assistant Professor

DEPARTMENT:

Applied Mechanics

DEGREES:

M.S. Kansas State University, 1966

Ph.D. Kansas State University, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi

TEACHING LOAD:

Statistics

Mechanics of Materials

NAME:

Chi-lung Huang

YEAR BORN: 1930

TITLE:

Associate Professor of Applied Mechanics

DEGREES:

B.S. National Taiwan University, China, 1954

M.S. University of Illinois, 1960 Dr. of Engg.. Yale University, 1964

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi

Phi Tau Phi

Society of Engineering Science

American Institute of Aeronautics and Astronautics

TEACHING LOAD:

Dynamics (2 sections)

Research in Applied Mechanics

John E. Kipp

YEAR BORN: 1930

TITLE:

Associate Professor, Department of Applied Mechanics Staff Associate, Environmental Research Laboratory

DEGREES:

B.S. Mechanical Engineering, University of Kansas, 1951 M.S. Mechanical Engineering, University of Kansas, 1955 Ph.D. Engineering, Oklahoma State University, 1968

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau Pi Tau Sigma Pi Mu Epsilon Theta Tau

American Society for Engineering Education

Member, American Society of Heating, Refrigeration, and Air Conditioning Engineers Technical Committee 1.2 (Instrumentation and Measurement)

TEACHING LOAD:

Fluid Mechanics (2 sections) Intermediate Fluid Mechanics Research in Applied Mechanics

NAME:

Philip G. Kirmser

YEAR BORN: 1919

TITLE:

Professor and Head of Department of Applied Mechanics

DEGREES:

B.S. Chemical Engineering, University of Minnesota, 1939 M.S. Mathematics, University of Minnesota, 1944

Ph.D. Mathematics, University of Minnesota, 1958

HONORARY AND PROFESSIONAL SOCIETIES:

American Mathematical Association American Mathematical Society

Society for Industrial and Applied Mathematics

(SIAM Visiting Lecturer 1971-72)
Royal Netherlands Society of Engineers

Phi Lambda Upsilon

Phi Kappa Phi Pi Mu Epsilon

Sigma Xi

American Society for Engineering Education (President, Kansas-Nebraska Section 1961-62)

TEACHING LOAD:

Topics in Theoretical and Applied Mechanics Research in Applied Mechanics

Harry D. Knostman

YEAR BORN:

1933

TITLE:

Assistant Professor of Applied Mechanics

DEGREES:

B.S. Kansas State University, 1955 M.S. Kansas State University, 1961 Ph.D. Colorado University, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi Sigma Tau Steel Ring

Jr. Member American Society of Civil Engineers American Society for Engineering Education

TEACHING LOAD:

Statics (2 sections)

NAME:

Edwin C. Lindly

YEAR BORN: 1921

TITLE:

Associate Professor of Applied Mechanics

DEGREES:

B.S. Oklahoma State University, 1942

M.S. Purdue University, 1949

M.S. Kansas State University, 1957 Ph.D. Iowa State University, 1964

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau Pi Tau Sigma

TEACHING LOAD:

Strength of Materials A Lab Mechanics of Materials Elastic Stability

Frank J. McCormick

YEAR BORN: 1906

TITLE:

Professor of Applied Mechanics

DEGREES:

B.S. Architectural Engineering, Iowa State College, 1927

M.S. Structural Engineering, Iowa State College, 1931

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Civil Engineers

American Society for Engineering Education

Tau Beta Pi Pi Mu Epsilon Phi Kappa Phi Sigma Tau

Society for Experimental Stress Analysis

TEACHING LOAD:

Statics and Dynamics Mechanics of Materials

Topics in Theoretical and Applied Mechanics

Statics

NAME:

Charles R. McDonald

YEAR BORN: 1933

TITLE:

Instructor, Department of Applied Mechanics

DEGREES:

B.S. Agricultural Engineering, Kansas State University, 1960

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Professional Engineers

Sigma Tau

Society of Automotive Engineers

TEACHING LOAD:

Applied Mechanics

Strength of Materials A Lab

Statics and Dynamics

Richard, G. Akins

RANK:

Associate Professor

DEPARTMENT:

Chemical Engineering

DEGREES:

B.S., 1957, University of Louisville M.S., 1958, University of Louisville Ph.D., 1962, Northwestern University

HONORARY AND PROFESSIONAL SOCIETIES:

American Institute of Chemical Engineers

Sigma Tau

Omicron Delta Kappa

TEACHING LOAD:

Ch.E. Thermodynamics Lab

Graduate Seminar

NAME:

Herbert T. Bates

YEAR BORN:

1913

RANK:

Professor

DEPARTMENT:

Chemical Engineering

DEGREES:

B.S. Chemical Engineering, Iowa State College, 1935

M.S. Chemical Engineering, Virginia Polytechnic

Institute, 1938

Ph.D. Chemical Engineering, Iowa State College, 1941

HONORARY AND PROFESSIONAL SOCIETIES:

American Institute of Chemical Engineers-Energy Conversion

& Transport Division

American Society for Engineering Education-Chem. Engg. Div. -

Kansas - Nebraska Section

American Chemical Society, Chairman, Nebraska Section, 1949

Registered Professional Engineer Kansas 3918

Sigma Xi

Sigma Tau

Phi Kappa Phi

Phi Lambda Upsilon

Manhattan Chamber of Commerce

TEACHING LOAD:

Ch.E. Lab II

Engineering Materials

Engineering Assembly

Larry Eugene Erickson

YEAR BORN: 1938

TITLE:

Professor of Chemical Engineering

DEGREES:

B.S. Kansas State University, 1960

Ph. D. Kansas State University, 1964

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi Phi Kappa Phi Phi Lambda Upsilon

Sigma Tau

American Institute of Chemical Engineers Kansas Water Pollution Control Association

American Chemical Society

American Society for Microbiology American Water Resources Association

The Society of Fermentation Technology (Japan)

New York Academy of Sciences

American Society for Engineering Education

Kansas Academy of Sciences

TEACHING LOAD:

Process Analysis and Design

NAME: Liang-tseng Fan

YEAR BORN: 1929

TITLE: Professor of Chemical Engineering

SOCIAL SECURITY NO.: 509-34-0943

DEGREES:

B. S. National Taiwan University, Taiwan, China (Chemical Engineering) 1951.

M. S. Kansas State University (Chemical Engineering) 1954.

Ph.D. West Virginia University (Chemical Engineering) 1957.

M. S. West Virginia University (Mathematics) 1958.

HONORARY AND PROFESSIONAL SOCIETIES:

American Chemical Society
American Institute of Chemical Engineers (Full)
American Society of Engineering Education
Society of Chemical Engineers (Japan)
Professional Engineer in Formosa
Sigma Xi
Phi Kappa Phi
Phi Lambda Upsilon
Society of Engineering Sciences (Founding Member)
Listed in American Men of Science
Listed in Leaders in American Science
American Association for the Advancement of Science
American Water Resources Association, 1970
Listed in Outstanding Educators of America

TEACHING LOAD:

Topics in Reaction Engineering

Raymond C. Hall

YEAR BORN: 1918

RANK:

Assistant Professor

DEPARTMENT:

Chemical Engineering

DEGREES:

B.S. Iowa State University, 1941

M.S. Kansas State University, 1951

HONORARY AND PROFESSIONAL SOCIETIES:

American Institute of Chemical Engineers

American Chemical Society

Sigma Xi

NAME:

Benjamin G. Kyle

YEAR BORN: 1927

TITLE:

Professor of Chemical Engineering

DEGREES:

B.S. Georgia Institute of Technology, 1950

M.S. University of Florida,

1955

Ph. D. University of Florida,

1958

HONORARY AND PROFESSIONAL SOCIETIES:

American Chemical Society, American Institute of Chemical Engineers, American Society for Engineering Education, Phi

Kappa Phi, Phi Lambda Upsilon, Sigma Xi

TEACHING LOAD:

ChE Thermodynamics Research Advanced ChE Thermodynamics

NAME:

John C. Matthews

YEAR BORN: 1936

TITLE:

Associate Professor of Chemical Engineering.

B.Sc. Washington University, 1959

D.Sc. Washington University, 1965

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi

A.I.Ch.E.

New York Academy of Sciences

American Association for the Advancement of Science

TEACHING LOAD:

Advanced Transport Phenomena I Introduction to Process Analysis

David G. Retzloff

YEAR BORN: 1939

TITLE:

Assistant Professor of Chemical Engineering

DEGREES:

B.S. University of Pittsburgh, 1963 M.S. University of Pittsburgh, 1965 Ph.D. University of Pittsburgh, 1967

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau Engineering Honor

Omega Chi Epsilon Chemical Engineering Honor American Institute of Chemical Engineers

American Chemical Society

American Association for the Advancement of Science

Sigma Xi

TEACHING LOAD:

Process Analysis & Design Research Process Analysis & Design Quiz Process Analysis & Design Lab

NAME:

Walter P. Walawender, Jr.

YEAR BORN: 1941

TITLE:

Assistant Professor of Chemical Engineering

DEGREES:

B.A. Utica College of Syracuse University, 1963.

M.S. Syracuse University, 1967. Ph.D. Syracuse University, 1969.

HONCRARY AND PROFESSIONAL SOCIETIES:

Associate Member of Sigma Xi

American Association of University Professors American Institute of Chemical Engineers

TEACHING LOAD:

Process Optimization Engineering Assembly Engineering Concepts

Honor Seminar

Name: Peter B. Cooper Year Born: 1936

Title: Associate Professor of Civil Engineering

Degrees: BS Lehigh University, 1957

MS Lehigh University, 1960 Ph.D. Lehigh University, 1965

Honorary and Professional Societies:

American Society for Engineering Education

American Society of Civil Engineers

Joint ASCE Task Committee on Flexural Members

Chairman, 1972-1975

Member, Subcommittee 2 - Box Girders, 1967-70 Member, Subcommittee 6 - Plate Girders, 1966-69

Advisory Member - AISI Task Force on Research

Project "Beams in Rigid Building Frames) (1968-1971)

Sigma Xi, Chi Epsilon

NSPE and Kansas Engineering Society

President, Tri-Valley Chapter, Kansas Engineering

Society (1971-1972)

Column Research Council

Registered Professional Engineer in Kansas

TEACHING LOAD:

Engineering Assembly
Analysis of Statically Determinant Structures
Analysis of Statically Determinant Structures Lab
Structural Engineering in Steel
Structural Engineering in Steel Lab
Plastic Design of Steel Structures

Name: Vernon H. Rosebraugh Year Born: 1910

Title: Associate Professor of Civil Engineering

Degrees: B.S. Oregon Institute of Technology, 1933

B.S. Oregon State University, 1938

M.A. University of Portland (Oregon), 1952

C.E. Oregon State University, 1956

Honorary and Professional Societies:

Sigma Xi, Phi Delta Kappa, Phi Kappa Phi Registered Professional Engineer American Society of Civil Engineers American Concrete Institute

Chi Epsilon

TEACHING LOAD:

Advanced Reinforced Concrete Theory Economics of Design and Construction

Analysis of Statically Indeterminant Structures Analysis of Statically Indeterminant Structures Name: Lawrence A. Schmid Year Born: 1940

Title: Associate Professor of Civil Engineering

Degrees: BSCE Iowa State University, 1962

MSCE Iowa State University, 1963 Ph.D. University of Kansas, 1968

Honorary and Professional Societies

Phi Kappa Phi, Iowa State University, 1962

Sigma Xi, University of Kansas, 1967 Chi Epsilon, University of Kansas, 1967

American Water Works Association Water Pollution Control Federation American Society of Civil Engineers

National Society of Professional Engineers

American Association of Professors in Sanitary Engineering

TEACHING LOAD:

Sanitary Engineering Design Sanitary Engineering Design Lab Water Supply and Quality Control

Name: Bob L. Smith

Title: Professor of Civil Engineering

Degrees: BSCE, Kansas State University, 1948 MSCE, Kansas State University, 1953

Ph.D. Purdue University, 1964

Honorary and Professional Societies:

Phi Kappa Phi, Sigma Tau, Kappa Mu Epsilon American Society of Civil Engineers (Member) Institute of Traffic Engineers (Associate Member)

National Society of Professional Engineers

Kansas Engineering Society

Licensed Professional Engineer, Kansas (2671)

Registered Land Surveyor, Kansas

Sigma Xi, Chi Epsilon

TEACHING LOAD:

Transportation Engineering
Transportation Engineering Lab
Traffic Engineering I
Traffic Engineering Lab
Regional Planning Engineering
Regional Planning Engineering Lab

Name: Robert R. Snell Year Born: 1932

Title: Professor and Head of the Civil Engineering Department

Degrees: BSCE Kansas State University, 1954
MSCE Kansas State University, 1960

Ph.D Purdue University, 1963

Honorary and Professional Societies:

Registered Professional Engineer, Kansas, 1959 Sigma Tau, Phi Kappa Phi, Pi Mu Epsilon, Kansas State University, 1954

Sigma Xi, Tau Beta Pi, Purdue University, 1962 Chi Epsilon, Kansas State University, 1965 American Institute of Steel Construction National Society of Professional Engineers American Society for Engineering Education

American Society of Civil Engineers

Vice-President, Kansas Section, 1971

President, Kansas Section, 1972

Member, EMD Committee on Experimental Analysis and Analogues, 1966 - 1972

Chairman, EMD Committee on Experimental Analysis and Analogues, 1969 - 1971

Member, Subcommittee 8-Beams with Web Openings, Joint ASCE-AASHO Task Committee on Flexural Members, 1967 - 1970

Kansas Engineering Society

Member, Membership Committee, 1964 - 1965

Member, Society Activities Committee, 1970 - 1971

Tri-Valley Chapter of K.E.S.

Secretary-Treasurer, 1965 - 1967

Vice President, 1968 - 1969

President, 1969 - 1970

State Director, 1971 - 1973

TEACHING LOAD:

Advanced Structural Analysis 1

Name: Stuart Endsley Swartz Year Born: 1938

Title: Associate Professor of Civil Engineering

Degrees: BSCE Illinois Institute of Technology, 1959

MSCE Illinois Institute of Technology, 1962 Ph.D Illinois Institute of Technology, 1968

Honorary and Professional Societies:

American Society of Civil Engineers

Member, Career Guidance Committee of State Chapter,

ASCE, 1970-71; Chairman, 1972-present

Member, Committee on Experimental Analysis and Analogues,

Engg. Mechanics Division, 1970-present

American Concrete Institute

Member, Committee 115 - Current Research, 1969-present Committee 118 - Use of Computers, 1970-present

National Society of Professional Engineers

Kansas Engineering Society

Member, Engineering Preparation Committee, 1968-1972

Awards Committee, 1972-present

Tri-Valley Chapter Board of Directors, 1970-1971

Secretary-Treasurer of Tri-Valley Chapter, 1971-1973

Society for Experimental Stress Analysis

Member, National Membership Committee - Subcommittee

on Student Membership, 1970-1972

Chairman, National Membership Committee, 1972-present

International Association for Bridge and Structural

Engineering

Sigma Xi

Chi Epsilon

Professional Engineer

TEACHING LOAD:

Structural Engineering in Concrete Structural Engineering in Concrete Lab Behavior of Structural Metals NAME: Douglas A. Wallace

Born: 1938

TITLE: Assistant Professor of Civil Engineering

DEGREES: Environmental Engineering, University of Iowa, 1971 Ph.D.

Environmental Engineering, University of Iowa, 1968 M.S.

Civil Engineering, University of Illinois, 1960 B.S.

HONORARY AND PROFESSIONAL SOCIETIES:

Chi Epsilon

Water Pollution Control Federation American Water Works Association American Society of Civil Engineers

Kansas Engineering Society

National Society of Professional Engineers

TEACHING LOAD:

Sanitary Engineering Fundamentals Sanitary Engineering Fundamentals Lab (two sections) Sanitary Engineering Chemistry

Name: Wayne W. Williams Born: 12/14/1922

Powersville, Missouri

Title: Associate Professor of Civil Engineering

Degrees: B.S. Iowa State University, 1951

M.S. Iowa State University, 1953

Professional Societies:

American Society of Civil Engineers

Kansas Engineering Society

Teaching Load:

Soil Mechanics Soil Mechanics Lab (two sections) Foundation Engineering Foundation Engineering Lab

Name: Jerome Joseph Zovne

Title: Assistant Professor of Civil Engineering

Degrees: BSCE University of Wisconsin, 1965 MSCE University of Wisconsin, 1966

Ph.D Georgia Institute of Technology, 1970

Honorary and Professional Societies:

Chi Epsilon Sigma Xi

American Society of Civil Engineers

American Geophysical Union

International Association of Hydraulic Research

Teaching Load:

Hydraulic Engineering Hydraulic Engineering Lab Hydraulics of Open Channels I Hydrology NAME: Nasir Ahmed YEAR BORN: 1940

CITIZENSHIP: U.S.A.

RANK: Associate Professor

DEPARTMENTS: Electrical Engineering & Computer Science

DEGREES: B.S., University College of Engineering, Bangalore,

India

M.S., University of New Mexico, 1963 Ph.D., University of New Mexico, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

Member of the SEQUENCY UNION National Committee

(A Specialist Working Group of the IEEE Electromagnetic

Compatability group).

Member, Institute of Electrical and Electronics Engineers

Member, Sigma Xi

TEACHING LOAD:

Digital Network Theory Signal Processing and Classification

NAME: Kendall F. Casey, Jr. YEAR BORN: 1940

RANK: Associate Professor

DEPARTMENT: Electrical Engineering

DEGREES: B.S., California Institute of Technology, 1961.

M.S.E.E., University of Southern California,

1962.

Ph.D., University of Southern California, 1965.

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical and Electronics Engineers American Association of University Professors American Association for the Advancement of

Science

Society of Sigma Xi

Eta Kappa Nu

TEACHING LOAD:

Wave Guides, Antennas and Propagation

Melvin C. Cottom

YEAR BORN: 1924

RANK:

Assistant Professor

DEPARTMENT:

Electrical Engineering

DEGREES:

B.S.E.E., University of Kansas, 1945 M.S.E.E., University of Kansas, 1948

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical And Electronics Engineers

Licensed Professional Engineer (Kansas and

Missouri)

Kappa Eta Kappa Sigma Tau

Eta Kappa Nu Pi Mu Epsilon

TEACHING LOAD:

Circuit Theory 2

Energy Conversion 1 (two sections)

Energy Conversion 2

E.E. Seminar

NAME:

John P. Dollar

YEAR BORN: 1929

TITLE:

Instructor

DEPARTMENT:

Electrical Engineering

DEGREES:

B.S., Kansas State University, 1956

M.S., Kansas State University, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

ATEA

Eta Kappa Nu

Institute of Electrical and Electronics Engineers

Kansas Engineering Society

Kansas Society of Professional Engineers (E.I.T.)

Pi Mu Epsilon

American Society for Engineering Education

Power Engineering Society

TEACHING LOAD:

Electron 1 (two sections)

Electronics 2

Richard R. Gallagher

YEAR BORN: 1942

RANK:

Assistant Professor

DEPARTMENT:

Electrical Engineering

DEGREES:

B.S.E.E., Iowa State University, 1964 M.S.E.E., Iowa State University, 1966 Ph.D.E.E., Iowa State University, 1968

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi Eta Kappa Nu Tau Beta Pi

Institute of Electrical and Electronics Engineers

American Society for Engineering Education

Medical Electronics and Data Society

Society for Engineering Science

Analog/Hybrid Computer Educational Society

TEACHING LOAD:

Circuit Theory 3

Advanced Feedback Control Systems

NAME:

Floyd Wayne Harris

TITLE:

Associate Professor of Electrical Engineering

DEGREES:

B.S., University of Oklahoma, 1956 M.S., Oklahoma State University, 1962 Ph.D., Oklahoma State University, 1965

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical and Electronics Engineers

Eta Kappa Nu Tau Beta Pi Sigma Tau

American Society for Engineering Education

TEACHING LOAD:

Circuit Theory 2

Norval K. Hearn, Jr.

YEAR BORN: 1931

RANK:

Instructor

DEGREES:

B. A., Kansas State Teachers College, 1957

M. S., Kansas State University, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Pi Sigma Kappa Mu Epsilon

TEACHING LOAD:

Engineering Materials

NAME:

Donald R. Hummels

YEAR BORN: 1936

RANK:

Assistant Professor

DEPARTMENT: Electrical Engineering

DEGREES:

B.S.E.E., Arizona State University, 1967 M.S.E.E., Arizona State University, 1967 Ph.D.E.E., Arizona State University, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

American Society for Engineering Education

Institute of Electrical and Electronics Engineers

Eta Kappa Nu Phi Kappa Phi

TEACHING LOAD:

Introduction to Computer Engineering Control Systems Design (two sections)

Gary L. Johnson

YEAR BORN: 1938

RANK:

Assistant Professor

DEPARTMENT:

Electrical Engineering

DEGREES:

B.S.E.E., Kansas State University, 1961 M.S.E.E., Kansas State University, 1963 Ph.D.E.E., Oklahoma State University, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

Eta Kappa Nu Phi Kappa Phi Pi Mu Epsilon

Institute of Electrical and Electronics Engineers

Sigma Xi

American Society for Engineering Education National Society for Professional Engineers

TEACHING LOAD:

Electromagnetic Theory 1 (3 sections)

E.E. Seminar (two sections)

NAME:

Dale E. Kaufman

YEAR BORN: 1930

TITLE:

Associate Professor of Electrical Engineering

DEGREES:

B.S., Kansas State University, 1959 M.S., Kansas State University, 1963 Ph.D., Kansas State University, 1967

HONORARY AND PROFESSIONAL SOCIETIES:

Eta Kappa Nu Sigma Tau Pi Mu Epsilon Phi Kappa Phi

Society of Sigma Xi (Member)

Institute of Electrical and Electronics Engineers

(Member)

Acoustical Society of America (Associate Member)

American Society for Engineering Education

TEACHING LOAD:

Electrical Engineering Lab 3

Transistor Circuitry

Wellington W. Koepsel

YEAR BORN: 1921

RANK:

Professor and Head of the Department

DEPARTMENT: Electrical Engineering

DEGREES:

B.S.E.E., University of Texas, 1944 M.S.E.E., University of Texas, 1951

Ph.D.E.E., Oklahoma State University, 1960

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical and Electronics Engineers, Senior Member

American Society for Engineering Education

Eta Kappa Nu

National Society of Professional Engineers

National Science Foundation Science Faculty Fellowship, 1959-60

TEACHING LOAD:

Control Systems Design

NAME:

Donald H. Lenhert

YEAR BORN: 1934

TITLE:

Associate Professor of Electrical Engineering

DEGREES:

B.S., Kansas State University, 1956 M.S., Syracuse University, 1958

Ph.D., University of New Mexico, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi

Institute of Electrical and Electronics Engineers

Eta Kappa Nu Sigma Tau Phi Kappa Phi

American Society of Engineering Education

Kansas Engineering Society

TEACHING LOAD:

Circuit Theory 1 (two sections)

Michael S. P. Lucas

YEAR BORN: 1929

RANK:

Professor

DEPARTMENT:

Electrical Engineering

DEGREES:

Technical Certificate, City & Guilds of London,

1953.

M.S., Duke University, 1962. Ph.D., Duke University, 1964.

HONORARY AND PROFESSIONAL SOCIETIES:

Eta Kappa Nu

Institute of Electrical and Electronics

Engineers Sigma Xi

Amateur Yacht Research Society

TEACHING LOAD:

Integrated Circuits Engineering (2 sections)

Solid State Engineering

NAME:

William A. Rosenkranz

RANK:

Instructor

DEPARTMENT:

Electrical Engineering Lab 2

TEACHING LOAD:

Electrical Engineering Lab 2 (2 sections)

NAME:

Isaac Wakabayashi

YEAR BORN: 1925

RANK:

Instructor

DEGREES:

B. S. E. E., University of California, 1954

HONORARY AND PROFESSIONAL SOCIETIES:

Pi Mu Epsilon

TEACHING LOAD:

Circuit Theory 2

Electronics 3

Electrical Engineering Lab 4

Duane Eldon Walker

YEAR BORN: 1938

RANK:

Instructor

DEPARTMENT:

Electrical Engineering

DEGREES:

B. S. E. E., Kansas State University, 1961 M. S. E. E., Kansas State University, 1962

HONORARY AND PROFESSIONAL SOCIETIES:

Eta Kappa Nu Sigma Tau

TEACHING LOAD:

Electronics 1

Electric Circuits and Controls

NAME:

Joseph Evans Ward, Jr.

YEAR BORN: 1916

RANK:

Professor

DEPARTMENT:

Electrical Engineering

DEGREES:

B. S. University of Texas, 1937M. S. University of Illinois, 1940

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Eta Sigma Eta Kappa Nu Tau Beta Pi Sigma Tau

Institute of Electrical and Electronics Engineers American Society for Engineering Education Licensed Professional Engineer (Kansas)

TEACHING LOAD:

Circuit Theory I Electronics I

Corwin A. Bennett

YEAR BORN: 1929

RANK:

Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. Iowa State University, 1950 M.A. University of Nebraska, 1951 Ph.D. University of Nebraska, 1954

HONORARY AND PROFESSIONAL SOCIETIES:

American Psychological Association, Society of Engineering

Psychologists
Human Factors Society
Ergonomics Research Society
Illuminating Engineering Society

TEACHING LOAD:

Industrial Management II Engineering Administration

Graduate Seminar in Industrial Engineering

NAME:

Lynn E. Bussey

YEAR BORN: 1920

RANK:

Associate Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B. S., Cornell University, 1947

M. S., Oklahoma State University, 1969 Ph.D., Oklahoma State University, 1970

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi Phi Kappa Phi Alpha Pi Mu

American Institute of Industrial Engineers (Senior Member)

American Society of Mechanical Engineers (Member)

Kansas Engineering Society

Registered Professional Engineer in Missouri, Kansas and Oklahoma

TEACHING LOAD:

Industrial Management (2 sections)
Industrial Project Selection

Earle C. Byers

YEAR BORN: 1911

RANK:

Assistant Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

A.B. Greenville College, 1941

M.S. Kansas State University, 1954

HONORARY AND PROFESSIONAL SOCIETIES:

Industrial Arts Teachers Association
American Society for Refrigeration Engineers

TEACHING LOAD:

Production Processes Lab (4 sections)

NAME:

(Mrs.) Doris Lloyd Grosh

YEAR BORN: 1924

RANK:

Assistant Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. University of Chicago, 1946 M.S. Kansas State College, 1949 Ph.D. Kansas State University, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

American Statistical Society
Institute of Mathematical Statistics
Mathematical Association of America
Pi Mu Epsilon

Pi Mu Epsilon Sigma Xi

MENSA

TEACHING LOAD:

Production Planning and Inventory Control Introduction to Operations Research 1

Engineering Reliability and Quality Assurance

Louis E. Grosh, Jr.

YEAR BORN: 1923

RANK:

Associate Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. Louisiana State University, 1944

B.S. Purdue University, 1947 M.S. Purdue University, 1949 Ph.D. Purdue University, 1954

HONORARY AND PROFESSIONAL SOCIETIES:

Association for Computing Machinery

SIGSIN

American Math Association

Sigma Xi Tau Beta Pi Phi Kappa Phi

Society for Industrial Mathematics Institute for Management Science

Simulation College

Society for General Systems Research

Alpha Pi Mu

TEACHING LOAD:

Advanced Production and Inventory Control

Industrial Forecasting Techniques and Applications

NAME:

Carl U. Hansen

YEAR BORN: 1910

RANK:

Assistant Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. Kansas State University, 1936 M.S. University of Nebraska, 1961

Presently working toward a Doctor of Science degree at the

University of Oklahoma

HONORARY AND PROFESSIONAL SOCIETIES:

American Welding Society

American Institute of Industrial Engineers American Society of Engineering Education Registered Professional Engineer, Kansas

TEACHING LOAD:

Production Processes

Production Processes Lab (4 sections)

Ching-Lai Hwang

YEAR BORN:

1929

RANK:

Associate Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B. S. National Taiwan University, Formosa, 1953

M. S. Kansas State University, 1960 Ph.D. Kansas State University, 1962

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi Pi Mu Epsilon

Sigma Xi

American Society of Mechanical Engineers American Institute of Industrial Engineers

Operations Research Society of Japan

TEACHING LOAD:

Operations Research I The Application of the Maximum Principle to Industrial Systems

NAME:

Stephan A. Konz

YEAR BORN: 1933

RANK:

Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. University of Michigan, 1956 M.S. State University of Iowa, 1960 M.B.A. University of Michigan, 1956 Ph.D. University of Illinois, 1964

HONORARY AND PROFESSIONAL SOCIETIES:

American Institute of Industrial Engineers

Human Factors Society

American Society for Quality Control Society of Manufacturing Engineers

Institute of Electrical and Electronic Engineers

Ergonomics Research Society

Sigma Xi

American Society of Heating, Refrigerating & Air Con. Engineers

Alpha Pi Mu

American Industrial Hygiene Association

TEACHING LOAD:

Work Design Work Design Lab Human Engineering I Human Engineering I Lab

E. Stanley Lee

YEAR BORN: 1930

RANK:

Professor of Industrial Engineering

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. Ordnance Engineering College, China 1953

M.S. North Carolina State University at Raleigh 1957

Ph.D. Princeton University 1962

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi Tau Beta Phi Phi Kappa Phi

The Society for Industrial and Applied Mathematics
The Institute of Electrical and Electronics Engineers

American Institute of Chemical Engineers

Alpha Pi Mu

Operations Research Society of America Institute of Environmental Sciences

American Institute of Industrial Engineers

NAME:

Thomas A. Roth

YEAR BORN:

1937

RANK:

Assistant Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. University of Wisconsin, 1960 M.S. University of Wisconsin, 1961 Ph.D. University of Wisconsin, 1967

HONORARY AND PROFESSIONAL SOCIETIES:

American Society for Metals

American Association for the Advancement of Science

Tau Beta Pi Sigma Xi

Professional Engineer-in-Training (Wisconsin)

The Metallurgical Society of the American Institute of Mining,

Metallurgical and Petroleum Engineers

TEACHING LOAD:

Engineering Materials

Production Processes Lab (4 sections)

Jacob J. Smaltz

YEAR BORN: 1917

RANK:

Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. Bradley University, 1939

M.S. Kansas State University, 1946

HUNORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi Sigma Tau

American Institute of Industrial Engineers American Society for Engineering Education

American Society of Safety Engineers Association for Computing Machinery Registered Professional Engineer (Kansas)

Alpha Pi Mu

Certified Safety Professional

TEACHING LOAD:

Computers and Data Processing

Computers and Data Processing Lab (2 sections)

Occupational Safety and Health Occupational Safety and Health Lab

NAME:

Frank A. Tillman

YEAR BORN: 1937

RANK:

Professor and Department Head

DEPARTMENT: Industrial Engineering

DEGREES:

B.S. University of Missouri, June 1960 M.S. University of Missouri, January 1961 Ph.D. University of Iowa, August 1965

Received a \$10,000 Ford Foundation Grant to complete Ph.D.

HONORARY AND PROFESSIONAL SOCIETIES:

Tau Beta Phi

American Institute of Industrial Engineers

Institute of Management Science

Operations Research Society of America

Professional Engineer

Sigma Xi Alpha Pi Mu

TEACHING LOAD:

Engineering Assembly

Claude L. Woodard

YEAR BORN:

1922

RANK:

Associate Professor

DEPARTMENT:

Industrial Engineering

DEGREES:

B.S. Kansas State University, 1948 M.S. Kansas State University, 1949 M.S. Missouri School of Mines, 1961

Ph.D. University of Missouri- Rolla, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Delta Kappa

Sigma Xi

Alpha Sigma Mu

Sigma Gamma Epsilon

American Society of Metals

Institute of Metals

TEACHING LOAD:

Engineering Materials

Engineering Materials Lab (2 sections)

Jason C. Annis

YEAR BORN: 1930

RANK:

Assistant Professor

DEPARTMENT:

Mechanical Engineering

DEGREES:

B.S. University of Minnesota, 1953

M.S. Michigan Technological University, 1956

Ph.D. Kansas State University, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

Air Pollution Control Association

American Industrial Hygiene Association

American Chemical Society

Sigma Xi Pi Mu Epsilon

Fine Particle Society

TEACHING LOAD:

Environmental Engineering I Fine Particle Technology

Research

NAME:

Fredric Carl Appl

YEAR BORN: 1932

TITLE:

Professor of Mechanical Engineering Harry Jennings Distinguished Professor

DEGREES:

B.S. Carnegie Institute of Technology, 1954 M.S. Carnegie Institute of Technology, 1956

Ph.D. Carnegie Institute of Technology, 1958

HONORARY AND PROFESSIONAL SOCIETIES:

Tau Beta Pi Phi Kappa Phi Pi Mu Epsilon Pi Tau Sigma Sigma Xi

American Society of Mechanical Engineers

Society of Petroleum Engineers

TEACHING LOAD:

M.E. Design Lab Machine Design II

Research

Naim Z. Azer

YEAR BORN: 1927

RANK:

Professor of Mechanical Engineering

DEPARTMENT:

Mechanical Engineering

DEGREES:

B.S. University of Alexandria, Egypt, 1950 M.S. University of Alexandria, Egypt, 1954

Ph.D.University of Illinois, 1959

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi

Sigma Xi

American Society of Mechanical Engineers

American Society of Heating, Refrigerating and Air-Conditioning

Engineers

American Society for Engineering Education

HONORS:

Fulbright Travel Grant, 1955

Graduate College Fellowship, University of Illinois, 1957-1958

Distinguished Service Certificate from American Society of

Mechanical Engineers for serving over 10 years as

reviewer for Applied Mechanics Reviews

TEACHING LOAD:

Thermo I

Heat Conduction in Solids

Research

NAME:

Herbert D. Ball

YEAR BORN: 1928

TITLE:

Assistant Professor in Mechanical Engineering

DEGREES:

B. S. University of Nebraska, 1952 M. S. University of Nebraska, 1958 Ph.D. Kansas State University, 1972

HONORARY AND PROFESSIONAL SOCIETIES:

American Society for Engineering Education Pi Tau Sigma

TEACHING LOAD:

Topics in M.E.

Concepts in Engineering

Research

Robert E. Crank

YEAR BORN: 1920

RANK:

Professor of Mechanical Engineering

DEPARTMENT:

Mechanical Engineering

DEGREES:

B.S. Kansas State University, 1947 M.S. Kansas State University, 1950

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers American Society for Engineering Education

American Association for the Advancement of Science

Pi Tau Sigma Sigma Tau Sigma Xi Pi Mu Epsilon Phi Kapp Phi

Regional ASEE Western Electric Fund Award for Excellence

in Instruction of Engineering Students, 1970

TEACHING LOAD:

Thermo I

Advisor in Dean's Office

NAME:

A. H. Duncan

YEAR BORN: 1911

TITLE:

Professor of Mechanical Engineering

DEGREES:

B. S. Kansas State University, 1937

M. S. Kansas State University, 1949

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau Phi Kappa Phi Pi Tau Sigma

American Society of Mechanical Engineers American Society for Engineering Education

TEACHING LOAD:

Thermo I M.E. Lab II

Undergraduate Advisor

Arthur O. Flinner

YEAR BORN: 1907

TITLE:

Professor of Mechanical Engineering

DEGREES:

B. S. Kansas State University, 1929 M. S. Kansas State University, 1934

M. S. Massachusetts Institute of Technology, 1937

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers American Society for Engineering Education

Sigma Tau Phi Kappa Phi Pi Tau Sigma

Registered Professional Engineer, State of Kansas

TEACHING LOAD:

Thermo I Thermo II

NAME:

Robert L. Gorton

YEAR BORN: 1931

RANK:

Associate Professor of Mechanical Engineering

DEPARTMENT:

Mechanical Engineering

DEGREES:

B.S. Louisiana Polytechnic Institute, 1953

M.S. Louisiana State University, 1960 Ph.D. Kansas State University, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

Tau Beta Pi Pi Tau Sigma

Registered Professional Engineer

Sigma Xi

American Society of Mechanical Engineers

Technical Committee on Gas Turbine Heat Transfer 1971-

Kansas City Section Executive Committee 1970-

American Society for Engineering Education

American Society of Heating, Refrigeration, and Air-Conditioning Engineers.

TEACHING LOAD:

Engineering Assembly Advanced Air Conditioning and Heat Transfer Research

Leland Stanford Hobson

YEAR BORN: 1902

TITLE:

Professor of Mechanical Engineering

DEGREES:

B. S. Kansas State University, 1927

HONORARY AND PROFESSIONAL SOCIETIES:

Kansas Engineering Society

Society for Advancement of Management National Society of Professional Engineers

NSPE Educational Foundation

Kansas State University Research Foundation

Phi Kappa Phi Sigma Tau Sigma Xi

Kansas State Chamber of Commerce

American Society for Engineering Education

Registered Professional Engineer, State of Kansas

TEACHING LOAD:

Engineering Economy
Dean's Office

NAME:

John C. Lindholm

YEAR BORN: 1923

RANK:

Associate Professor of Mechanical Engineering

DEPARTMENT: Mechanical Engineering

DEGREES:

B.S. Kansas State University, 1949M.S. University of Kansas, 1956Ph.D. Purdue University, 1961

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers American Society for Engineering Education Society for Experimental Stress Analysis

Sigma Xi Tau Beta Pi Sigma Tau Pi Tau Sigma Phi Kappa Phi

Who's Who Among Students in American Colleges and Universities

TEACHING LOAD:

Machine Design I (two sections)
Research

Paul L. Miller, Jr.

YEAR BORN: 1934

RANK:

Professor of Mechanical Engineering

DEPARTMENT:

Mechanical Engineering

DEGREES:

B.S. Kansas State University, 1957 M.S. Kansas State University, 1961 Ph.D. Oklahoma State University, 1966

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau Pi Tau Sigma

Registered Professional Engineer, Kansas American Society for Engineering Education

Elected Director, Educational Research and Methods

Division 1970-71, 1971-72

Appointed Director, Council for Teaching and Learning

1971-72

Regional Director of the Effective Teaching Institute

1971-72

Elected Program Chairman Elect, Educational Research and

Methods Division, 1972-73

Elected Secretary, Council for Teaching and Learning,

1972-73

American Society of Heating, Refrigerating, and Air-Conditioning Engineers (Appointed to ASHRAE Technical Committee 4.1, 1971-74)

American Society of Mechanical Engineers

TEACHING LOAD:

Concepts Engineering Radiation Heat Transfer Asst. Dept. Head

Research

NAME:

Ross Pauli

YEAR BORN: 1918

RANK:

Assistant Professor

DEPARTMENT: Mechanical Engineering

DEGREES:

B.A. Westmar College, Le Mars, Iowa, 1941

M.S. Kansas State College, Pittsburg, Kansas, 1947

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau Epsilon Pi Tau

TEACHING LOAD:

Graphical Communications I (three sections)

Frederick H. Rohles, Jr.

YEAR BORN: 1920

TITLE:

Professor of Mechanical Engineering and Psychology

DEGREES:

B.S. Roosevelt University, 1942M.A. University of Texas, 1950Ph.d. University of Texas, 1956

HONORARY AND PROFESSIONAL SOCIETIES:

Animal Behavior Society

Aerospace Medical Association

American Association for the Advancement of Science

American Psychological Association, Fellow

American Society Heating, Refrigeration, and Air Conditioning

Engineer Psi Chi

Sigma Xi

Psychonomic Society

International Primatological Society

NAME:

Clyde Howard Sprague

YEAR BORN: 1936

RANK:

Associate Professor of Mechanical Engineering

DEGREES:

B.S. Kansas State University, 1958 M.A. Kansas State University, 1963 Ph.D. Purdue University, 1968

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi Pi Tau Sigma Sigma Tau Steel Ring Pi Mu Epsilon

American Society of Mechanical Engineers American Society for Engineering Education

Simulation Councils, Inc.

TEACHING LOAD:

M.E. Lab I

Automatic Controls

Research

Thomas B. Swearingen

YEAR BORN: 1931

TITLE:

Associate Professor of Mechanical Engineering

DEGREES:

B.S. Kansas State University, 1954 M.S. Washington State University, 1961 Ph.D. University of Arizona, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

Pi Tau Sigma Sigma Xi

American Society of Mechanical Engineers

Registered Professional Engineer

Who's Who in the Midwest

TEACHING LOAD:

Heat Transfer Honors Seminar Urban Vehicle Research

NAME:

Joséph Garth Thompson

YEAR BORN: 1935

RANK:

Associate Professor and Head of the Department, Mechanical Engineering

DEPARTMENT:

Mechanical Engineering

DEGREES:

B.S. Brigham Young University, 1960

M.S. Purdue University, 1962 Ph.D. Purdue University, 1967

HONORARY AND PROFESSIONAL SOCIETIES:

Society of Sigma Xi

SCI

Pi Tau Sigma

ASME

Who's Who in the South and the Southwest Engineering Foundation Award (\$1,000.)

Shell Oil Award for Outstanding Teaching (\$1,000.)

Ralph R. Teetor Award Ford Foundation Fellow

NSF Fellow

Shell Oil Company Fellow Kansas Engineering Society

TEACHING LOAD:

System Dynamics Department Head Research

Wilson Tripp

YEAR BORN: 1907

TITLE:

Professor of Mechanical Engineering

DEGREES:

B. S. University of California, 1930
M. S. University of California, 1933
Ph.D. University of Illinois, 1956

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers

American Society for Engineering Education (past vice-chairman,

Kansas-Nebraska section)

Eta Kappa Nu Tau Beta Pi Pi Tau Sigma Sigma Tau

Phi Kappa Phi (past vice-president, Kansas State chapter)

Kansas Engineering Society

Licensed Professional Engineer, State of Kansas

Pi Mu Epsilon

Sigma Xi

Teaching Load:

Thermo I

Impact of Tech. on Society

Graduate Advisor

Research

NAME:

Ralph O. Turnquist

YEAR BORN: 1928

TITLE:

Associate Professor of Mechanical Engineering

DEGREES:

B.S. Kansas State University, 1952

M.S. Kansas State University, 1961

Ph.D. Case Institute of Technology, 1965

HONORARY AND PROFESSIONAL SOCIETIES:

Instrument Society of America

Phi Kappa Phi Sigma Tau Pi Tau Sigma Sigma Xi ASME

TEACHING LOAD:

M.E. Lab I

Concepts in Engineering

Research

Hugh S. Walker

YEAR BORN: 1935

TITLE:

Associate Professor of Mechanical Engineering

Kansas State University

Manhattan, Kansas 66502

913-532-5610

DEGREES:

B. S. Louisiana State University, 1957

M. S. Louisiana State University, 1960

Ph.D. Kansas State University, 1965

HONORARY AND PROFESSIONAL SOCIETIES:

Pi Mu Epsilon Tau Beta Pi Sigma Xi Pi Tau Sigma

American Society of Mechanical Engineers Society for Experimental Stress Analysis American Society for Engineering Education

American Institute of Aeronautics and Astronautics,

Associate Fellow

TEACHING LOAD:

Mechanical Vibs 1 Engineering Analysis 1 Research

NAME:

Joe N. Wood

YEAR BORN: 1911

TITLE:

Professor of Mechanical Engineering

DEGREES:

B. S. State University of Iowa, 1936

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers

Sigma Tau

American Society for Engineering Education

Triangle Fraternity

Licensed Engineer (Kansas)

TEACHIGN LOAD:

Graphical Communications I (two sections)
Graphical Communications II

Name:

Robert W. Clack

Year Born: 1921

(5/4/21)

Title:

Assistant Professor of Nuclear Engineering and

Director, Kansas State University TRIGA Reactor Facility

Degrees:

B.S., United States Naval Academy, 1943

Honorary and Professional Societies:

American Nuclear Society, Health Physics Society, American Society for Engineering Education, Registered Professional Engineer (Kansas), Licensed Senior Reactor Operator (U. S. Atomic Energy Commission), Licensed Aviation Pilot, Diplomate, American Board of Health Physics

TEACHING LOAD:

Introduction to Nuclear Engineering Reactor Operations Planning

Name:

Hermann Jakob Anton Donnert

Year Born: 1929

Title:

Professor

Degrees:

Ph.D. (Mathematics and Theoretical Physics), Leopold-Franzens Universität, Innsbruck, Austria, 1951.

Honorary and Professional Societies:

American Association for the Advancement of Science; American Physical Society; Nuclear Physics Division, American Physical Society; American Nuclear Society; Shielding Division, American Nuclear Society; Education Division, American Nuclear Society; Nuclear-Explosives Division, American Nuclear Society; Mo-Kan Section, American Nuclear Society; American Ordnance Association; Maryland Academy of Sciences; Scientific Research Society of America; American-Men of Science Listing; Sigma Xi; Fellow, Washington Academy of Sciences; Member, Kansas Academy of Science; Member, American Society for Engineering Education.

TEACHING LOAD:

Applied Nuclear Engineering Analysis Neutron and Particle Interactions Research in Nuclear Engineering Nuclear Engineering Colloquium Name: N. Dean Eckhoff Year Born: 1938

Title: Associate Professor

Degrees: A.A., Pratt Junior College, 1958

> B.S., Kansas State University, 1961 M.S., Kansas State University, 1963 Ph.D., Kansas State University, 1968

Honorary and Professional Societies:

Kansas Academy of Science, American Nuclear Society, Wichita Section American Nuclear Society, Sigma Xi, Sigma Tau, Steel Ring

Teaching Load:

Introduction to Environmental Technology Radioisotope Applications Engineering Nuclear Fuel Processing Research in Nuclear Engineering

Name: Richard E. Faw Year Born: 1936

Title: Professor and Head, Department of Nuclear Engineering

Degrees: B.S., University of Cincinnati, 1959

Ph.D., University of Minnesota, 1962

Honorary and Professional Societies:

American Nuclear Society, IEEE Nuclear Science Group, American Society for Engineering Education, Tau Beta Pi, Phi Kappa Phi, Sigma Xi.

Teaching Load:

Nuclear Engineering Concepts Problems in Nuclear Engineering Research in Nuclear Engineering Name:

Joseph Frederick Merklin

Year Born: 1935

Title:

Associate Professor

Degrees:

B.S., Manhattan College, N. Y., 1957

Ph.D., Physical Chemistry, University of Minnesota, 1963

Honorary and Professional Societies:

American Physical Society, Sigma Xi, Faraday Society, American Chemical Society, American Association for the Advancement of Science, Kansas Academy of Science

Teaching Load:

Radioisotope Applications Engineering Nuclear Fuel Processing Lab Radiation Effects on Materials I Research in Nuclear Engineering

Name:

John O. Mingle

Year born: 1931

Title:

Professor of Nuclear Engineering

Director of Institute for Computational Research in Engineering

Degrees:

B.S., Chemical Engineering, Kansas State University, 1953 M.S., Chemical Engineering, Kansas State University, 1958 Ph.D., Chemical Engineering, Northwestern University, 1960

Honorary and Professional Societies:

American Institute of Chemical Engineers, American Nuclear Society, American Society for Engineering Education, Sigma Tau, Phi Lambda Upsilon, Phi Kappa Phi, Registered Professional Engineer (Kansas), American Association for the Advancement of Science, American Institute of Aeronautics and Astronautics, Sigma Xi (KSU Chapter Lecturer, 1966-67, Chapter President 1969-70), Society for Industrial and Applied Mathematics, Simulation Council.

Teaching Load:

Principles of Nuclear Reactor Analysis Radiation Shielding II

Name:

J. Kenneth Shultis

Year born: 1941

Title:

Assistant Professor

Citizenship: Canadian

Degrees:

B.A.Sc. M.S. Nuclear Engineering, University of Michigan, 1965

Engineering Physics, University of Toronto, 1964

Ph.D. Nuclear Science, University of Michigan, 1968

Honorary and Professional Societies:

Phi Kappa Phi, Sigma Xi, American Physical Society (Nuclear Physics Division, Cosmic Physics Division), American Nuclear Society (Reactor Physics Division, Mathematics and Computation Division)

Teaching Load:

Nuclear Engineering Concepts Introduction to Nuclear Engineering Applied Reactor Theory Research in Nuclear Engineering

NAME:

Fort A. Verser, Jr.

YEAR BORN: 1924

TITLE:

Instructor

DEPARTMENT:

Nuclear Engineering

DEGREES:

B.S. Chemical Engineering, Texas A. & M. University, 1948 M.S. Chemical Engineering, Texas A. & M. University, 1950

M.S. Physics, U.S. Naval Postgraduate School, 1960

HONORARY AND PROFESSIONAL SOCIETIES:

American Nuclear Society, Sigma Xi, Professional Society for Nuclear Defense

Constitution of Tau Beta Gamma

Preamble:

The members of the School of Engineering at the Kansas State University, desiring to be incorporated in Tau Beta Pi, form Tau Beta Gamma for the purpose of recognizing in a fitting manner those who have distinguished themselves as students or by their eminent attainments as graduates in the field of engineering, of promoting scholastic incentive and cultural development of engineering students at Kansas State University.

Article 1: Name

The organization shall be titled Tau Beta Gamma, the undergraduate Engineering Honor Society of the College of Engineering, Kansas State University, Manhattan, Kansas.

Article II: Pattern

This engineering honor society shall be patterned after the national engineering honor society, Tau Beta Pi Association, Inc. in every way and as explicitly set forth in the Constitution of Tau Beta Gamma Honor Society.

Article III: Purpose

The purpose of this organization shall be:

- 1) To give recognition to outstanding engineering students who have attained honor rating in their college courses.
- 2) To foster high scholarship among lower classmen by establishing an incentive for them to achieve honors necessary for admission to the society.
- 3) To keep close contact with alumni, with the hope of furthering the aims of the society and the school.
- 4) To become affiliated eventually with the national honorary engineering fraternity, Tau Beta Pi.
- 5) To promote the profession of engineering in the college and community.
- 6) To engage in activities for the betterment of the community.

Article IV: Membership

Section 1: The membership of this organization shall consist of regularly enrolled undergraduates, at the Kansas State University at Manhattan, Kansas, are engineering students, meeting the prescribed qualifications.

Section 2: Eligibility Requirements

a. Students scholastically in the upper eighth of the class in the junior year would be eligible for election in both the fall term and spring term.

- b. Those senior students whose scholastic average fall within the upper fifth of the senior class would be eligible for election at the beginning of the fall or spring term of their senior year.
- c. Transfer students must have completed 25 hours of work at Kansas State in order to be eligible for membership.

Section 3: Election of members.

There will be two elections and initiations of undergraduates each year.

It shall be held as soon as practicable after the data determining the scholastic ability of the candidates have been made.

Section 4: Members should be prepared to spend at a minimum of four hours per month in the service of Tau Beta Gamma.

Section 5:

A member in good standing is one who is not under censure by this organization and has paid his dues.

Section 6 (a): For continued and unexcused absences from regularly called meetings of this Society, negligence of assigned duties, inexcusable failure to meet any financial obligations, conviction or violation of the University Honor Code, or for other just cause, the active members or Advisory Council may make recommendations to the Executive Council to institute expulsion proceedings.

Section 6 (b): Expulsion shall be by a three-fourth's majority on a secret ballot of active members.

Section 7: Expulsion consists of the following: (1) Return of badge and certification of membership. (2) Complete severance of all connection with the Society.

Section 8: A member may appeal his case to the Advisory Board or Executive Council in light of new evidence.

Section 9:

A member not in good standing shall forfeit all rights and privileges of his membership until such time as he is reinstated.

Section 10:

Membership in other socieities, fraternities, or organizations shall not disbar a candidate from election into this society.

Section 11:

All former members of this society who have completed their undergraduate studies shall be termed alumni members.

Article V: Government

Section 1:

The officers of this organization shall be President, Vice President, Recording Secretary, Corresponding Secretary, Treasurer, Cataloger, and Advisory Council. These officers shall be elected by a majority vote.

Section 2:

Any active member in good standing would be eligible for office.

Section 3:

To be eligible for President, one must be a member of the society for at least one semester.

Section 4:

There shall be an election of the officers during the first meeting in May of each year. The offices will be held until the next election.

Section 5:

In case a vacancy occurs in the office of president, the vice president shall automatically become president, and a new vice president shall be appointed by the advisory council. Other vacancies shall be filled by appointment by the Advisory Council. All such appointments shall be subject to approval of the undergraduate membership by a majority vote.

Section 6:

Any officer may be removed by a three quarter vote of the active chapter.

Section 7:

The Advisory Council shall consist of the president, vice president, corresponding secretary, two alumni members, and a faculty advisor. The alumni members shall serve for terms of one year.

Section 8:

The Executive Council is a group at the national level of Tau Beta Pi, which assumes the leadership of the honorary.

Article VI: Meetings.

Section 1:

Regular meetings of this organization shall be held once a month during the school year and shall be called by the president. Special meetings may be called by the advisory council or president.

Section 2:

General meetings of a social or technical character shall be held each term as warranted.

Article VII: Advisor.

There shall be a faculty advisor, who shall be a member ex-officio without a vote. He shall be a member of the Tau Beta Pi association.

Article VIII: Finances.

Section 1:

All members of the Society may be assessed fees as required for the proper functioning of this organization provided such an assestment is authorized by the council and passed by a majority vote of the members of this organization.

Section 2: Funds are to be entrusted to the treasurer for safe keeping, subject to the semi-annual audit by the advisory council.

Section 3:

A checking account shall be established in the name of Tau Beta Gamma, with the president or treasurer signing.

Article IX: Amendments.

Section 1:

Amendments and Bylaws to this constitution may be submitted by any active member in good standing at any regular meeting. Notices of proposed amendments shall be sent to all members prior to the next regular meeting when the amendments shall be voted on.

Section 2:

An amendment shall be passed by a 3/4 vote of the quorum, relating to voting on amendments, as defined in the bylaws.

Article X: Initiation.

Section 1: Initiation of new members shall be held as early as possible in the fall and spring semesters.

Section 2: The initiation procedure shall be as prescribed in the Bylaws of this constitution.

BY-LAWS OF TAU BETA GAMMA

By-Law I: Quorum

Section 1. A majority of the members of the council shall constitute a quorum at meetings of the council.

Section 2. A majority of student members shall constitute a quorum at regualr meetings.

Section 3. A quorum must be present at any meeting at which a vote is taken committing the organization to any proposal. Without a quorum, meetings may be held at which members are inducted, proposals are submitted to the Society, matters of interest to the organization are discussed, or programs are formulated, but there shall be no formal voting on such matters.

Section 4. The quorum for purposes of constitutional amendments, election of membership, elections, changing of initiation fees or chapter dues, passing assessments of student members, and disciplinary action shall consist of three quarters of the membership.

By-Law II: Order of Business

The order of business at all meetings shall be as follows:

- 1. Roll call
- 2. Reading of minutes
- 3. Reports of officers, committees, etc.
- 4. Unfinished business
- 5. New business
- 6. Adjournment

By-Law III: Procedure

Section 1. All undergraduate members shall have equal voting power. The alumni members shall have no vote.

Section 2. If questions concerning parliamentary procedure arise Roberts "Rules of Order Revised" shall govern in all points not specifically covered in the constitution and by-laws of this organization.

By-Law IV: Duties of Officers

Section 1. It shall be the duty of the president to act as a responsible agent and leader of this chapter. He shall preside at all meetings, appoint all committees (subject to approval by a majority vote of the active body). He shall cast the deciding vote in case of a tie in all things except elections.

Section 2. The vice president shall act in the capacity of any officer who is not present at the meeting. He shall act as parliamentarian at all meetings. He shall be a member of all committees.

Section 3. It shall be the duty of the Recording Secretary to keep the minutes of the regular meetings completely typewritten, up to date, and in a suitable folder.

Section 4. It shall be the duty of the Corresponding Secretary to carry on such correspondence of the Society as the President or any other officer may direct.

Section 5. The Treasurer shall be in charge of all funds and bills of this Society. He shall maintain a bank account in the name of the Society.

Section 6. It shall be the duty of the Cataloger to keep an up-to-date record of all active and alumnus members, including full name, home address, and the college address.

Section 7. The advisory council shall formulate any necessary policies, such as the preparation of a budget, for presentation to the membership of this Society.

Section 8. The Advisory Council shall act as an advisory and judicial committee to determine the advisability of any action taken or proposed by the Society, brought before it by the petition of a minority of the Society, referred to it by a vote of the same, or considered on its own initiative. All changes in the Bylaws must be submitted to, and approved by, the Advisory Council before going into effect. By a majority vote, the Advisory Council may forbid any such action or change, subject to an appeal to the Executive Council.

By-Law V: Committees

Section 1 (a) The Society shall have standing committees on membership-initiation, activities, and such other committees as the President shall desire to establish.

Section 1 (b) The President shall provide written lists of specific duties and responsibilities to the committee chairmen.

Section 2 (a) The committee chairmen shall be appointed by the President and subject to the approval of the chapter.

Section 2 (b) The committee members shall then be appointed by the chairmen and the President.

By-Law VI. The initiation will be set up by the membership committee.